

Claims:

1. Solid epoxy resin, characterized in that it has been modified with a secondary amine, the resin having an epoxy value of from 0.25 to 2.2 eq/kg and a nitrogen content, occasioned by the secondary amine, of from 0.2 to 4.5% by weight.
2. Solid epoxy resin according to Claim 1, characterized in that the amine is an aliphatic or cycloaliphatic amine having from 2 to 50 carbon atoms.
3. Solid epoxy resin according to Claim 1, characterized in that the amine is a compound of the general formula I



in which R independently at each occurrence is an unsubstituted or substituted alkyl or cycloalkyl radical which is uninterrupted or interrupted by one or more heteroatoms, or both radicals R together are an unsubstituted or substituted alkylene radical which is uninterrupted or interrupted by one or more heteroatoms.

4. Solid epoxy resin according to Claim 1, characterized in that it has been modified with the secondary amine selected from the group consisting of piperazine, bis-2-hydroxypropylamine, dicyclohexylamine, 4-hydroxy-2,2,6,6-tetramethylpiperidine and bis(2,2,6,6-tetramethylpiperidyl) sebacate.
5. Solid epoxy resin according to Claim 1, characterized in that it contains a 2,2,6,6-tetramethylpiperidine radical.
6. Use of an epoxy resin according to Claim 1 in powder coating compositions for the purpose of attaining tribo suitability.
7. Use according to Claim 6, characterized in that the powder coating compositions are based on a polyester-epoxy resin binder.
8. Use according to Claim 6, characterized in that the powder coating compositions are based on an epoxy resin binder.

9. Powder coating composition based on a polyester-epoxy resin binder, containing from 5 to 90% by weight of an epoxy resin according to Claim 1, based on the total amount of binder.